



Village of Menomonee Falls
W156 N8480 Pilgrim Road
Menomonee Falls, WI 53051-3140
Telephone: (262) 532-4200

STORMWATER MANAGEMENT FACILITIES OPERATION AND INSPECTION REPORT

Quarter Section
Property Tax ID Number
Date August 8, 2013

SE 1/4 Sec 28 Name of Business/Subdivision
MNFV0112998001 Address of Property

Tall Pines Condominium
Tall Pines Circle
Menomonee Falls, WI

Dry Pond	
Wet Pond	X
Other	

Location of
Pond

Northwest corner of property,
adjacent to Marcy Road

Pond ID: SWP 28 S 010

Year Pond
Constructed

2007

Year of Last
Certification

Compliance Verification	Design	Actual	Compliant Yes	Non-Compliant No	Comments (Condition of Structure)
Primary Outlet Pipe					
Opening Diameter (inches)	12"	12"	X		Outlet Pipe Material
Upstream Invert	838.0	838.02	X		RCP Concrete Pipe – good condition
Downstream Invert	837.69	837.72	X		
Length (feet)	123.58	120.5	X		
Slope (%)	0.251%	0.249%	X		
Secondary Outlet Pipe (If Applicable)					
Opening Diameter (inches)					Outlet Pipe Material
Upstream Invert					N/A
Downstream Invert					
Length (feet)					
Slope (%)					
Riser (If Applicable)					
Opening Diameter (inches)	48"	48"	X		Riser Material
Elevation	843.25	843.16	X		RCP riser structure with internal concrete weir wall; galvanized metal screen on exterior face of riser structure.
Upper Discharge Control (If Applicable)					
Opening Diameter (inches)	3.25"	3.25"	X		Orifice on internal weir wall
Elevation	839.5	839.51	X		

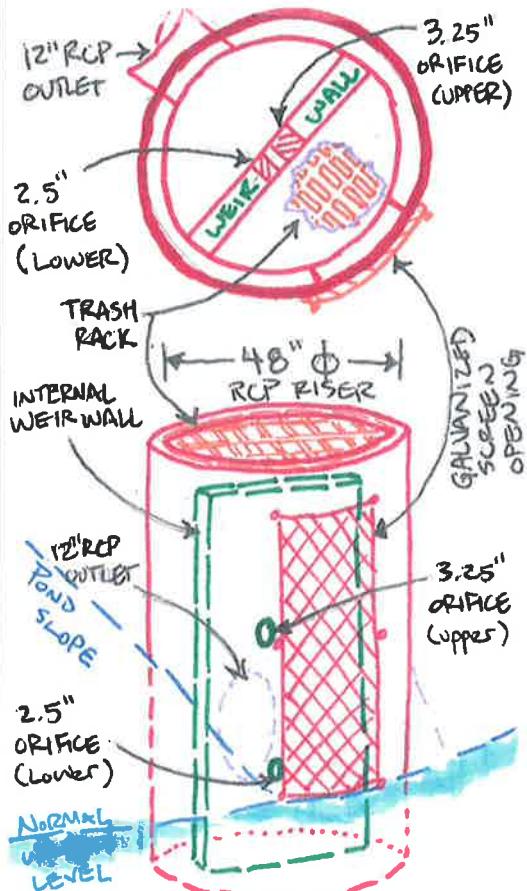
Compliance Verification	Design	Actual	Compliant Yes No		Comments
Lower Discharge Control	(If Applicable)				
Opening Diameter (inches)	2.5"	2.5"	X		Orifice on internal weir wall
Elevation	838.0	838.02	X		
Other (Description)					
Opening Type and Size (inches)					
Elevation					
Emergency Spillway					
Elevation	843.78	843.61	X		
Length of spillway (feet)	15'	15'	X		Vegetated spillway
Embankment	Present Yes no		Comments/Maintenance Requirements		
Unauthorized Plantings, trees, or woody vegetation		X			
Animal burrows or slope erosion		X			
Storm Sewer Outfalls	Type & Size		Location		Comments
Outfall 1	30" RCP w/ riprap		Southwest corner		Good condition
Outfall 2	18" RCP w/ riprap		South central		Good condition
Outfall 3	(3) 6" PVC downspout pipes		West side		OK – could be cut back 3' for visual appeal to reduce projection out in to the pond (optional).
Storage Properties	Design	Actual	Compliant Yes No	Not Applicable	Equipment Used
Normal Water Elevation (Wet Ponds)	838.0	837.93	X		GPS (Navcom)
Design High Water Elevation	842.78	842.78	X		
Area at Normal Water Elevation (Ac) (Wet Ponds)	0.23	0.23	X		
Area at Design High Water Elevation (Ac)	0.436	0.436	X		
Active Storage Available (Ac-Ft)*	1.14	1.14	X		*A very narrow low area exists in the northeast corner of the pond at the interface with the existing wall. This should be brought to top of berm elevation with construction of the adjacent condominium.
Lowest Elevation at Top of Embankment	844.78	842.4*		X	
Average Elevation at Top of Embankment	844.78	844.7	X		GPS (Navcom) 25' level rod
Maximum Bottom Elevation	832.0	831.92	X		
Average Pond Bottom Elevation	832.0	832.0	X		25' level rod
Pond Bottom Area (Ac)	0.06	0.06	X		
Maximum Pond Depth	6'	6'	X		
Average Pond Depth	6'	6'	X		
Average Permanent Pool Depth (Wet Ponds)	6'	6'	X		

*To Determine Active Storage $V=H/3(A_1+A_2+(A_1 \times A_2)/2)$

Wet Ponds Use $H = \text{Height of Section}$, $A_1 = \text{area at normal water elevation}$, $A_2 = \text{area at top section}$

Dry Ponds Use H = Height of Section, $A1$ = pond bottom area, $A2$ =area at top section

Sketch Outlet or Attach to Document



Attach As-built Survey to the Document for the first report submission

Inspection Firm: Trio Engineering, LLC
 Phone Number: 262-790-1480
 Address: 17700 W. Capitol Drive
Brookfield, WI 53045

Inspector Name: Joshua D. Pudelko, PE
 Inspection Date: August 8, 2013

Certifying Professional
 Name: Joshua D. Pudelko
 Phone Number: 262. 790. 1480

Date:

8/12/13

Signature:

